

19980207.ba v01_n911.bam.980207 v01_n912.bam.980207

>From ???@??? Sun Feb 08 12:18:07 1998
Message-Id: <199802080440.WAA04369@sco.theporch.com>
Date: Sat, 7 Feb 1998 22:40:57 CST
Subject: BOATANCHORS digest 1911

BOATANCHORS Digest 1911

Topics covered in this issue include:

- 1) Re: PRC-61 Help Needed
by Paul Bernhardt <bern@ppdu.nrl.navy.mil>
- 2) odd tube question
by Paul Nelson <drhydro@ames.net>
- 3) Wants and For Sale
by Lenox Carruth <carruth@swbell.net>
- 4) re nuns story
by lee1@digital.net
- 5) SARS meet whereabouts
by marty@aa4rm.radio.org (Marty R's latest)
- 6) Eddystone EP-14 Panadapter Info Needed
by "Walt Novinger" <wnovinger@shaw.wave.ca>
- 7) Re: odd tube question
by Edward Zeranski <ejz@nosc.mil>
- 8) National crystal filters
by "Lawrence R. Ware" <lrware@pipeline.com>
- 9) Re: minimalist reflex?
by "Roberta J. Barmore" <rbarmore@indy.net>
- 10) Tube ID
by Kevin Pease <hamradio@mm1001.theporch.com>
- 11) Re: BC-946 0.5-1.5 Mcs command set
by Tom Norris <badger@telalink.net>
- 12) PTO
by Kevin Pease <hamradio@mm1001.theporch.com>
- 13) Re: minimalist reflex?
by Bill Jarvis <B.H.Jarvis@hw.ac.uk>
- 14) FS: Hallicrafters R-48 Speaker
by Bill Wilson <billo@internettport.net>
- 15) St. Louis, MO Antique Radio Events
by Jeffrey Herman <jeffreyh@hawaii.edu>
- 16) Re Missing HQ-105 TR
by ARONGV@aol.com
- 17) Re odd tube and 1p25
by philip mccoey <dgnova@erols.com>
- 18) Re EL36
by philip mccoey <dgnova@erols.com>
- 19) Re 5876

by philip mccooy <dgnova@erols.com>
20) Re: BA Owner's Gear as of 2/6/98
by Dexter Francis <cwest@xmission.com>
21) minimalist reflex
by "Roberta J. Barmore" <rbarmore@indy.net>
22) Re: Tube ID
by Bill Riches <richesb@algorithms.com>
23) Re: Sylvania 6CM5/EL36
by Bill Riches <richesb@algorithms.com>
24) WTD: Patch panels and cords
by don merz <71333.144@compuserve.com>
25) RE: boobs in Patriot missile ?
by "Laudon, Kenneth (Kalman) A." <klaudon@pica.army.mil>

Date: Thu, 5 Feb 1998 18:39:28 -0500 (EST)
From: Paul Bernhardt <bern@ppdu.nrl.navy.mil>
To: Tom Bryan <tbryan@nova.org>
Cc: boatanchors <boatanchors@theporch.com>
Subject: Re: PRC-61 Help Needed
Message-ID: <Pine.A32.3.91.980205183457.55989A-100000@ppdu.nrl.navy.mil>

Tom,

The PRC-61 is a Radio Set with a Dry Battery Pack. Its full name is CY-3870/PRC-61. I uses the following batteries: 1.5V, 67.5 V, 67.5 V, 6V. I think that is operates around 140 MHz. It uses subminiature tubes. I have several of these radios and I would like to get schematics and operating frequency data.

Cheers - Paul Bernhardt

Work:P.A. Bernhardt	Home: Paul Bernhardt, KF4FOR
Code 6794	5704 Ridge View Dr.
Naval Research Laboratory	Alexandria, VA 22310
Washington, DC 20375	
Tel: 202-767-0196	703-960-9656
FAX: 202-767-0631	

On Thu, 5 Feb 1998, Tom Bryan wrote:

> Hi Paul,
>
> > Does anyone have information, manuals or schematic for the PRC-61?
> > Thanks, Paul Bernhardt
>
> What is a PRC-61?
>
> Tom

>
>

Date: Thu, 5 Feb 1998 18:03:44 -0500
From: Paul Nelson <drhydro@ames.net>
To: boatanchors@theporch.com
Subject: odd tube question
Message-ID: <v03010d02b0fff4ab18d8@[206.26.104.68]>

It ain't radio, but it IS a toob....

does anyone remember the 1P25 image converter tube? It was used in WW2-era infrared-vision devices, and probably was the first generation. I'm curious about its specs... wavelength it's sensitive to, amplification, etc.... I just picked up a BuShips type US/C-3 infrared telescope (and got it working, thanks to DeOxit!)

Paul Nelson W5GNF
Ames, Iowa

"When I go, I want to go quietly, in my
sleep, like my grandfather- not
screaming, like his passengers."

(DrHydro@ames.net)

Cessna 140 N77149

"More hay, Trigger?"

"No thanks, Roy, I'm stuffed."

Date: Thu, 05 Feb 1998 18:29:44 -0600
From: Lenox Carruth <carruth@swbell.net>
To: "Starks, Dennis" <military-radio-guy@juno.com>,
BA Swap List <baswaplist@foothill.net>,
Subject: Wants and For Sale
Message-ID: <34DA5978.40A3@swbell.net>

WANTS and TRADES

Lenox Carruth carruth@swbell.net

Wants:

GY-11	Guy (for SCR-284)
TBX	Want complete TBX or parts to assemble a set
CRH-26013A	Key, Cord and Plug Assembly (for TBY)
CLG-19029	Storage Battery (for TBY)
CSS-10039A	Canvas Carrying Case (for TBY)
CNC-19018B	Battery (for TBY)
BD-71	Switchboard

EE-65 Line Chief's Test Set
I-176 Test Unit (Multimeter)
TS-10 Sound-powered Handset
Sextant Any WW-II era Sextant or Octant, Aircraft or Marine
Siren Small, hand-operated siren made by Federal Electric
 Company, Inc., Chicago. Used for airfield perimeter
 patrol. Olive drab in color. Originally had carrying
 strap and canvas cover.

Manuals [Originals Only]

 ? Sperry K-4 or K-3 Automatic Computing Gun Sight
T.O. 11B41-2-2-1 Bombsight Type M-9
TM 11-2715 Installation of Radio Equipment in Truck, 1/4 Ton, 4x4
TM 11-5820-474-14 Radio Set AN/GRC-109
NavShips 900,284-IB Instruction Book Navy Type CLG-20206 Power Unit

FOR SALE or TRADE: (plus shipping)

PRC-47 Used, good. \$150
CD V-700 Geiger Counter, NOS. \$125
BC-348-Q AC supply, missing tubes, knob, small front cover. \$75
BC-348-0 Looks good, extra switch on panel, missing knob. \$85
T-23/ARC-5 Missing covers, connectors. \$35
RT-66/GRC Receiver/Transmitter. Appears NOS. \$65
PP-112/GR Power Supply, Excellent. \$25
PRC-6 Inside good but case needs refinishing. \$45
PP-114B/VRC Rare vehicular supply for BC-1000. Appears NOS. \$125
I-177-A Tube Tester, Late Mfg., Excellent, with charts. \$55
S-120 Hallicrafters, works well. \$35
Philco 51-934 Cabinet in good condition - not tested. \$25
Dynamotor Carter 6 VDC, 250 VDC @ 100 ma output. \$10
Dynamotor Carter 6 VDC, 400 VDC @ 200 ma output. \$10
TCS Cable Transmitter cable. \$25
TCS Plugs Several TCS plugs. \$7.50 each
A-10A WW-II Sextant, rare transitional instrument needs wk. \$45
RCA Strato-World Model RZM198E, RCA's answer to SS TransOceanic. \$125
T.O. 01-40NM-4 Parts Manual, Douglas C-54 (DC-4) 1945. \$10
Old Radio and WW-II History books - e-mail for list

--

Lenox

Lenox Carruth, Jr. carruth@swbell.net
Dallas, Texas
Collector of WW-II Communications Equipment and Memorabilia

Wanted: TCS-14 Transmitter, TBX, BD-71, Sextant

Date: Thu, 5 Feb 1998 21:14:58 -0500 (EST)
From: lee1@digital.net
To: BOATANCHORS@theporch.com
Subject: re nuns story
Message-ID: <199802060214.VAA21425@ddi.digital.net>

IT WAS SURE OFF TOPIC BUT SURE FUNNY
LAUGHED ALL THE WAY TO SUPPER.

Date: Thu, 5 Feb 1998 21:14:02 -0500
From: marty@aa4rm.radio.org (Marty R's latest)
To: bharrison@earthlink.net, dnel@shell.cdc.net, jimdavey@aol.com,
wb5kzw@hotmail.com
Cc: Boatanchors@theporch.com
Subject: SARS meet whereabouts
Message-ID: <199802060214.VAA16105@aa4rm>

SARS - SE Antique Radio Soc. - meet Sat. Mar. 14

outside / rear pk lot @

Fairfield Inn

11385 Haynes Br. Rd.

Alpharetta, GA 30004 / 770-663-4000 (\$50 / room)

Spaces free. TUBE SALES A PROMISE!!!!

Haynes Br. Rd. off Ga 400 30 mi N. of Big A(tlanta)

Marty

Date: Thu, 5 Feb 1998 19:24:47 -0700
From: "Walt Novinger" <wnovinger@shaw.wave.ca>
To: "Boatanchors (Jack)" <boatanchors@theporch.com>
Subject: Eddystone EP-14 Panadapter Info Needed
Message-ID: <001901bd32a6\$65e4df20\$182b4018@wbn-home.shaw.wave.ca>

Need general spec's on this panadapter, e.g., what receiver or receiver-series can be used with this panadapter. I've been told that it has multiple IF inputs to accommodate various receivers.

Any and all info will be most appreciated as I have a chance to give one a new home, but don't know whether it'll work with my Eddystone 730/4.

Thanks.

Walt

=====

Walt Novinger	Real Radios Keep You Warm At Night!
Collector of hollowstate communications receivers and test equipment	
wnovinger@shaw.wave.ca	

Date: Thu, 05 Feb 1998 18:34:12 -0800
From: Edward Zeranski <ejz@nosc.mil>
To: drhydro@ames.net
Cc: boatanchors@theporch.com
Subject: Re: odd tube question
Message-ID: <3.0.1.32.19980205183412.00731474@marlin.nosc.mil>

At 06:03 PM 2/5/98 -0500, you wrote:
>It ain't radio, but it IS a toob....
>
>does anyone remember the 1P25 image converter tube?
>Paul Nelson W5GNF

I found one of those, NIB, about a year or so ago and passed it to a BA member. If I remember right it was used in a WWII or Korea era 'SniperScope' night vision rifle scope. It was the one usually pictured attached to an M1/M2 carbine.

Ed Zeranski This is a private opinion or statement.
home email: ezeran@cris.com

Date: Thu, 05 Feb 1998 21:40:06 +0000
From: "Lawrence R. Ware" <lrware@pipeline.com>
To: boatanchors@sco.theporch.com, national@qth.net
Subject: National crystal filters

Message-ID: <3.0.5.32.19980205214006.00810d80@pop.pipeline.com>

Good evening folks....

Tonight I pose a question (or two) concerning the Lamb type crystal filters often found in older National radios. The radio currently on the bench for resurrection is a NC-2-40D, a fine old example of Nationals coil catacomb line.

Anybody had any luck repairing the crystal filters in these things? Mine has zero output when selected. I mean nada... +7 Dbm fed into it less than 5 millivolts out on the scope... (down in the noise)

I'm hoping to find a simple open connection inside when I finally get time to tear the whole assy. out. (not easy!)

National barely mentions these things in the manuals, kind of like the old maps with "here be dragons" in blank areas.... :-)

I have found several references to articles in old journals, even have the one about the filter in the 80/81X line.

Any advice, thoughts or comments from anyone who has been inside one of these would be appreciated...

-Larry

Larry Ware
Admirer, Collector, Restorer of National Radio Company
receivers and other artifacts.
Orlando, Florida
lrware@pipeline.com

Date: Thu, 5 Feb 1998 22:19:52 -0500 (EST)
From: "Roberta J. Barmore" <rbarmore@indy.net>
To: Bill Jarvis <B.H.Jarvis@hw.ac.uk>
Cc: BA <boatanchors@sco.ThePorch.com>
Subject: Re: minimalist reflex?
Message-ID: <Pine.SUN.3.96.980205215959.22290B-100000@indy3>

Hi, Bill!

It looks simple 'cos it *is* simple--the kicker is the form of diode demod used, which doth appear to be a shunt rectifier to me. Draw it out as two pentodes (one for RF with an inductor to shunt-feed the HT in while

the RF scampers through the 50pF condenser, the other for AF with a transformer in the plate-HT line) and an SS diode, and it makes good sense; the diode chops off the negative half-cycles of RF (mostly--the normal fwd drop provides grid bias, dunnit Guv?), and those appear across the pot, while the 1000pF condenser on the pot slider bypasses the RF component and what we're left with is the modulating waveform; this slides through the variometer like it wasn't there (which it isn't as far as RF is concerned), sneaks *back* into the grid, and shows up much refreshed and stronger at the plate; there it wriggles the plate current as it passes through the transformer (which was an Insurmountable Obstacle for the RF first time though) and those wriggings show up on the secondary and thence drive your Tannoy. Done.

Maybe Sahib sees some reaction, 'cos there's input RF and amplified/chomped RF both a-flowing in the 100pF condenser. Maybe not--it is A Sacred Mystery until the disciple buildeth the thing and mediatate upon the reality observed.

It's a heckuva thing. What size is the wire? (I can convert to US wire gauges if you'll tell me size and scale--SWG? AWG? Metric?) Only trouble here is finding a US twin to the DAF91!

Did you ever have a close look at the Giant Driver-Hectoring Horn Speaker? A lovely thing--oh, to have one here and but a quarter-hour at the mic! "Hey! HEYYY! You, in the black Lexus--the rest of us would like to see some DIRECTIONALS when ya turn, maybe even BEFORE! And stop following so close!" Oh, dreams... <grin>

73,
--Bobbi

(PS: please forgive the various flippant abuses of the language above--it's a weird thing but it helps me think; probably related to my mental modelling of electronic circuit action, which is a kind of a cross between a roller-coaster and bumper-cars, a bizarre little Maxwellian amusement park upon the mental breadboard!)

Date: Thu, 5 Feb 1998 21:19:11 -0600 (CST)
From: Kevin Pease <hamradio@mm1001.theporch.com>
To: boatanchors mailing list <theporch.com!boatanchors@mm1001.theporch.com>
Subject: Tube ID
Message-ID: <Pine.LNX.3.95.980205211810.6977A-1000000@mm1001.theporch.com>

While cleaning the shack I found a JRC5876 tube. It looks like a lighthouse tube. Is it ? What is it good for ?

Kevin Pease
WB0JZG
Mount Juliet, TN.

Date: Thu, 05 Feb 1998 21:33:28 -0600
From: Tom Norris <badger@telalink.net>
To: arc5@ix.netcom.com
Cc: boatanchors@theporch.com
Subject: Re: BC-946 0.5-1.5 Mcs command set
Message-ID: <3.0.5.32.19980205213328.00934210@mail1.telalink.net>

At 07:33 AM 2/5/98 -0600, you wrote:

>(copied to list for general information)
>>Was there a "BLACK" BC-946 made?
>>I have a natural aluminium BC-946,
>>and a black ARC-5 R24,
>>and was curious as I have never heard of one.
>

I was wondering about mine -- it is neither --
it is a CCT-46145 (Navy - ARA set) it is black wrinkle as well.
I have always seen either the BC 946 or R-24. till now.
I need to stick a dynamotor on it and fire it up some day.
(made by Stromberg-Carlson by the way)
It is the only unmodified Command set I have,
I think. :-)

Since *I* have one, it cant possibly be rare though. :-)

73

Tom KA4RKT

Please visit The Mil List for info on military communications gear:

[HTTP://www.telalink.net/~badger/millist/mi.html](http://www.telalink.net/~badger/millist/mi.html)

This is a non-comercial endeavor strictly for providing
info for those who have a need for it - and intertainment
for those who dont....

ANY and ALL Contributions Welcome.

Tom Norris KA4RKT

badger@telalink.net Nashville, Tennessee, USA

Date: Thu, 5 Feb 1998 22:13:51 -0600 (CST)
From: Kevin Pease <hamradio@mm1001.theporch.com>
To: boatanchors mailing list <theporch.com!boatanchors@mm1001.theporch.com>
Subject: PT0
Message-ID: <Pine.LNX.3.95.980205221138.7037A-1000000@mm1001.theporch.com>

I have a 70H-13a PT0. What was it used in and what is the design Frequency range. Also does someone have schematic of this PT0. I need to do some Repair work on the buffer portion of the PT0.

Kevin Pease
WB0JZG
Mount Juliet, TN.

Date: Fri, 06 Feb 1998 04:37:38 +2400
From: Bill Jarvis <B.H.Jarvis@hw.ac.uk>
To: rbarmore <rbarmore@indy.net>
Cc: boatanchors <boatanchors@sco.ThePorch.com>
Subject: Re: minimalist reflex?
Message-ID: <199802060437.EAA07845@punt1.hw.ac.uk>

On 1998-02-06 rbarmore@indy.net said:
rb>cc: BA <boatanchors@sco.ThePorch.com>
rb>Hi, Bill!
rb>It looks simple 'cos it *is* simple--the kicker is the form of diode

Thanks Bobbi; I always enjoy your Use of English. One of my first instructors explained some RAF radar pulse forming circuit as "fed back to the cathode - back in the bottom - sort of electronic buggery". Brings it alive.

I'm going to try that circuit; as you say, it IS simple. Still contemplating a version using only the pentode, why not?

Bill

GM8APX, qthr=No 6, EH4 6JY==Cave felem==No Rectangulars=Ikke Hawkering

Aiunt multum legendum esse, non multa

Net-Tamer V 1.10 - Registered

Date: Thu, 05 Feb 1998 22:32:35 -0600
From: Bill Wilson <billo@internetport.net>
To: "boatanchors@theporch.com" <boatanchors@theporch.com>
Subject: FS: Hallicrafters R-48 Speaker
Message-ID: <34DA9262.8AA78511@internetport.net>

I have a spare Hallicrafters R-48 speaker. This will match the SX-99/110. The condition is good, small dent on one side and the paint is in good shape. Asking \$37 plus UPS.

Thanks,

Bill
W4BIZ
Jacksonville, Al.

Date: Thu, 5 Feb 1998 20:20:48 -1000
From: Jeffrey Herman <jeffreyh@hawaii.edu>
To: boatanchors@theporch.com
Subject: St. Louis, MO Antique Radio Events
Message-ID: <98Feb5.202053hwt.188968(4)@uhunix5.its.Hawaii.Edu>

Mark Your Calendars!

The Antique Radio Collectors & Historians (A.R.C.H.) of St. Louis, MO has scheduled two summer picnic/swapmeets this year! Visitors are always welcome!

The first picnic is Sunday, May 17th, 1998.

The second picnic is Saturday, September 6th, 1998.

Both picnics are at Paul Schroeder Park in Manchester, MO (suburb of St. Louis).

This is a family event and you are welcome to bring your spouse and children. These are our two swapmeet events of the year and nice surprises are often found on the swap tables.

There is no charge for swapping but please be sure to bring your own swap table. There is a requested \$3.00 per person donation to cover the cost of the picnic.

More details and directions as the dates get closer!

For more information, please contact me at keymaster@stlnet.com

Derek Cohn
Amateur Radio - WB0TUA
Morse Telegraph Club - Alton Chapter

Jeff KH2PZ

Date: Fri, 6 Feb 1998 06:08:17 EST
From: ARONGV@aol.com
To: boatanchors@theporch.com
Subject: Re Missing HQ-105 TR
Message-ID: <5b1a73c5.34daef23@aol.com>

Sorry about the use of bandwidth, but had a computer crash as I was reading about rigs for postage rig.

Please re-send the message.

Ron W00IZ

Date: Fri, 06 Feb 98 07:46:34 -0800
From: philip mccooy <dgnova@erols.com>
To: boatanchors@sco.theporch.com
Subject: Re odd tube and 1p25
Message-ID: <199802061254.HAA21929@smtp1.erols.com>

Re the 1p25, I picked up one from a list member. It was

developed during WW2 by RCA. It has RCA's standard phototube nomenclature. It responds mostly to infra red, about 8000 Angstroms. Place a small circle above the A in Angstrom. It was written up in Electronics magazine about 1946. I don't have a copy available.

The eyepiece lens system is symmetric, that is, there are 2 lenses, one built into the 1p25 and 1 external. It runs at about 4000 volts, supplied by a vibrator supply. I don't have access to the Electronics magazine article anymore. It also has a lot of focusing electrodes, somewhat like a CR tube.

Hope this helps.

Philip McCoy dgnova@erols.com

Date: Fri, 06 Feb 98 07:56:42 -0800
From: philip mccoy <dgnova@erols.com>
To: boatanchors@sco.theporch.com
Subject: Re EL36
Message-ID: <199802061304.IAA24383@smtp1.erols.com>

Same as EL6. Pin out same as 6L6

For single tube:

filament 6.3v at 1.2amp
anode 250v at 72ma
screen 250v at 8.5ma
grid --7v
90 ohm cathode resistor
gm 15000
R anode 20000ohms
load resistance 3500 ohms

Philip McCoy dgnova@erols.com

Date: Fri, 06 Feb 98 08:03:52 -0800
From: philip mccoy <dgnova@erols.com>
To: boatanchors@sco.theporch.com

Subject: Re 5876
Message-ID: <199802061311.IAA26243@smtp1.erols.com>

High-Mu triode (pencil)

as class A amp:

filament 6.3v at 0.135a
plate 250v at 18ma
grid volts Rk=75 (I suppose thats cathode resistor in ohms)
Rp 8625ohms
Gm 6500
Mu=56

Philip McCoy dgnova@erols.com

Date: Fri, 06 Feb 1998 07:28:46 -0700
From: Dexter Francis <cwest@xmission.com>
To: boatanchors@theporch.com
Subject: Re: BA Owner's Gear as of 2/6/98
Message-ID: <34DB1E1B.7DF6@xmission.com>

Greetings all -

Here's the current list of BA Gear owned by list members.
I've truncated it to RADIO gear for now. I may add keys
and test gear later if the pool gets big enough.
I'll probably post an update weekly for the next
couple of weeks, until the response dies off.

We're a diverse group!

For those who'd like to add to the list;

Please note the format is

Manufacturer / Model / Quantity owned

-df

BA List Gear as of 2/6/98

BA List Gear
(as of 2/6/98)

Drake
2B (2)
2BQ
R4-B
SPR-4
T4x-B
TR-4

Collins
32V2
51J-4
51S-1
32-S3
75A-3
75A-4
KWM-2A

Globe (WRL):
Duobander
Galaxy 5
Chief 90
Scout 680
Champion 300

Hallicrafters
HA-14
HT-32B
Ht-33
HT-37
R-46B speaker
S-27 (2)
SX-25
SX-28 (2)
SX-28A
S-40B
SP-44 (panoramic adapter)
S-53A
SX-62A
SX-71
SX-100
SX-101
SX-101A (2)
SX-101-Mk. IIIA
SX-117
SX-122
TW-2000

Hammarlund
HC-10 SSB adapter
HQ110A
HQ170C
HQ180AC
SP-200
SP-600-JX-14
SP-600-JX-17

Heathkit
Apache
Pawnee
DX-60
HA-10
HG-10B
HW-9
HW-16 (2)
HW-32
HW-101 (2)
HX-10 (2)
RX1 (2)
SB-100
SB-102 (2)
SB-200
SB-301
SB-401
SB-610
SB-620 (2)
SB-630
TX-1

Henry
2K

Johnson
Viking I
Viking II
6n2 TX converter
6n2 RX converter
Ranger
Thunderbolt HF

Kleinschmidt
Morse Perforator

Knight:
T60
R100

Lafayette
HA-230

Mosely
CM-1

National
HRO-5
HRO-7
HRO-50T1 (2)
HRO-50TS (speaker)
HRO-60T1 (2)
HRO-500
NC-100XA
NC-101
NC-125
NC-173
NC-183D
NC-190
SW-3

Military

AN/GRC-109 set (with GRA-71 code burst encoder)
AN/TXC-1 (fax machine)
ART-13
BC-221
BC-342
BC-348 (3)
BC-611
BC-1031-C (panoramic adapter)
CV-591A SSB adapter
PRC-47
RBA
RBB
RBC
RBL-2
R-388
R-390 (2)
R-390A (3)
R-392
R-1050B
T-195
TCS12/13 (Set)
WRR-2

Pierson-Delane

PR-15 Special

RACAL

RA-17L (2)

RA-137A LF converter

Scott

SLR-12B

Technical Materials Corporation

GPT-750

GPR-90 RX

VLRE-1

Radio Corporation of America

CRM-R1A (20 channel, fixed frequency ship's receiver)

Zenith

Trans Oceanic (no model# given)

Trans Oceanic B600

Trans Oceanic 8G500Y

Other (Mfgr Not specified)

HBR14

HBR16

Date: Fri, 6 Feb 1998 09:38:13 -0500 (EST)

From: "Roberta J. Barmore" <rbarmore@indy.net>

To: BA <boatanchors@sco.ThePorch.com>

Subject: minimalist reflex

Message-ID: <Pine.SUN.3.96.980206093242.11799F-100000@indy2>

Hi!

Quick correction--attempting to analyze Bill's low-parts reflex, I said in speaking of the second (or post-diode) pass through the grid tank, "The RF slides through the variometer like it wasn't there..." Ha! It's the *AF* component that does that, which is what I meant; the coil is, in fact, working with the 1000pF condenser here, doing double duty as a sort of RF choke (or we can model the whole tank as a series application of a parallel trap, which it is for the second pass and a pretty nifty trick, too).

...Boy do I hate saying things wrong--'sa wonder I say anything at all and even more a wonder anyone understands 'em for the garble. >blush<

Oh, here's the nice nurse with my walker and meds....

73,
--Bobbi

Date: Fri, 06 Feb 1998 09:46:58 -0500
From: Bill Riches <richesb@algorithms.com>
To: hamradio@mm1001.theporch.com
Cc: boatanchors@theporch.com
Subject: Re: Tube ID
Message-ID: <34DB2262.6E22@algorithms.com>

Kevin Pease wrote:

>
> While cleaning the shack I found a JRC5876 tube. It looks like a litehouse
> tube. Is it ? What is it good for ?
>
> Kevin Pease
> WB0JZG
> Mount Juliet, TN.

it is a triode - fil 6.3 @ 135 ma; plate 360 v @ 25 ma

Regards,
Bill Riches WA2DVU
Cape May, NJ

Date: Fri, 06 Feb 1998 09:54:12 -0500
From: Bill Riches <richesb@algorithms.com>
To: sinned@vnet.IBM.COM
Cc: boatanchors@theporch.com
Subject: Re: Sylvania 6CM5/EL36
Message-ID: <34DB2414.311F@algorithms.com>

sinned@vnet.IBM.COM wrote:

>
> I can't find any information about this tube. Looks like a 2E26. Does
> anyone have specs on it?
>
> Thanks,
> Dennis W5FRS
> sinned@vnet.ibm.com

It is a Pentode - fil 6.3 V @ 1.25A; Plate 300v @ 200 ma; Plate diss - 122 watts.

Regards,
Bill Riches - WA2DVU
Cape May, NJ

Date: Fri, 6 Feb 1998 10:52:17 -0500
From: don merz <71333.144@compuserve.com>
To: boatanchors@theporch.com
Subject: WTD: Patch panels and cords
Message-ID: <199802061054_MC2-3233-C871@compuserve.com>

Wanted

I'd like to find one or two TTY patch panels. These had "set" jacks mounted above "looping" jacks--all 1/4" and all insulated from the panel. I'd also be interested in some old-fashioned TTY patch cords. These were cloth-covered 1/4" plug to 1/4" plug with ends that were black to black (for send) or red to red (for receive).

Any help appreciated.

73, Don

Date: Thu, 5 Feb 1998 19:29:36 -0500
From: "Laudon, Kenneth (Kalman) A." <klaudon@pica.army.mil>
To: "'boatanchors@theporch.com'" <boatanchors@theporch.com>
Subject: RE: toobs in Patriot missile ?
Message-ID: <E1BB4E1B16BBD011BBF500A024D839070B13D5@pica-emh2.pica.army.mil>

> I have never worked on Patriot, but if there is anything that fits the
> description of an "electron tube" then it could be a CRT. Current
> versions of battlefield computer displays (C3I, weapon ops, etc.) are
> LCD or fluorescent devices, but not too long ago, especially on an
> older version of an old system, they might still have been hollow
> state. So, it could be that Patriot has, or had at one time, a
> "tube".
>
> But come to think of it, Patriot has it's own radar system. I think
> the weapon commander (I think he's at least an O1 on these big missile
> systems) still has to exercise his judgement based on what he sees on

> the display, designate the target (or override the one the system has
> designated), and authorize the launch. Wouldn't that display still be
> a big CRT?
>
> I'm not a radar or missile guy. Anybody who knows better, please
> correct me.
>
> BTW, the missile mfr (Raytheon?), and launcher, fire control, radar,
> etc. mfrs. may very well be different firms. The bullet itself is
> only one component of the system. No slight intended to your friend,
> Jon. Incidentally, I hope he retired voluntarily, with some sort of a
> pension from the carpetbagger defense contractor he worked for, and
> wasn't just simply RIFed at the end of the Patriot job and forced onto
> SS because nobody will hire an engineer in his 60's (won't work 60
> hrs/wk for 40 hrs pay like a 30 year old will, needs to use more sick
> leave and health benefits, more likely to become disabled and drive up
> the firm's state disability premium, etc.). But I'm wasting
> bandwidth. Sorry.
>
> 73, Kalman W2ES
> klaudon@pica.army.mil (btw, I've been on the private sector side, too,
> so save the cracks)
> -----
>program ended in July, and Lew has since retired. There are NO
> tubes in the Patriot.
>
> Jon, K1VVC
>
>

End of BOATANCHORS Digest 1911

>From ???@??? Sun Feb 08 12:18:14 1998
Message-Id: <199802080559.XAA01360@sco.theporch.com>
Date: Sat, 7 Feb 1998 23:59:27 CST
Subject: BOATANCHORS digest 1912

BOATANCHORS Digest 1912

Topics covered in this issue include:

- 1) Need Screen modulator
by Laird Tom N <LairdTomN@JDCORP.deere.com>
- 2) Spares Box BX-53-C...
by Ken Gordon <keng@uidaho.edu>

- 3) Boatanchor/surplus haunts in FL
by Meir Ben-Dror <mbendror@villagenet.com>
- 4) 304TL Socket...FOUND!
by Ken Gordon <keng@uidaho.edu>
- 5) What is Phantom Antenna A-62?
by BOB RAGAIN <RAGAIN@hubvx6.sedalia.wireline.slb.com>
- 6) Re: info on EE8 telephone
by gpewitt@execpc.com
- 7) Re: Tube ID
by Kevin Pease <hamradio@mm1001.theporch.com>
- 8) Re: Classic Exchange FUN
by Leslie Zwiebel <wb6orz@pacbell.net>
- 9) Hammarlund Ad Flyers For Trade
by nielw@ix.netcom.com
- 10) Bobbi Barmore...
by Ken Gordon <keng@uidaho.edu>
- 11) Re: Sylvania 6CM5/EL36
by jackiv@juno.com (John M Iverson)
- 12) cw filter for HW/SB series?
by john <johnmb@mindspring.com>
- 13) Trade Johnson for Drake
by djhutch@concentric.net
- 14) Need: Manual for Knight Star Roamer
by "Gary Harmon" <gharmon@txdirect.net>
- 15) Literature for \$1 and Postage
by "Gary Harmon" <gharmon@txdirect.net>
- 16) GWY-1 aircraft transmitter
by Michael Hanz <AAFRadio@erols.com>
- 17) Need Copy of 30K-2,3,4 or 5 Manual
by deanbers@ix.netcom.com
- 18) Wanted: SX-73 Panel Meter
by w8xq@juno.com (JEFF D WILDER)
- 19) R390A Product Detector ??
by w8xq@juno.com (JEFF D WILDER)
- 20) Re: R390A Product Detector ??
by w8xq@juno.com (JEFF D WILDER)
- 21) Avo valve tester problem
by Bill Jarvis <B.H.Jarvis@hw.ac.uk>
- 22) Looking for Harvey wells R9
by john <johnmb@mindspring.com>
- 23) Xmas 100 KC Xtals mailed
by "larry W6WUH" <rau@wco.com>
- 24) FW: Warning.... don't open "Join the Crew"
by lee1@digital.net
- 25) FS: TM 11-284
by "Joseph W. Pinner" <kc5ijd@sprintmail.com>
- 26) FS: TM 11-310 copy
by "Joseph W. Pinner" <kc5ijd@sprintmail.com>

- 27) FS: TV-7D
by "Joseph W. Pinner" <kc5ijd@sprintmail.com>
- 28) FS: PP-112/GR
by "Joseph W. Pinner" <kc5ijd@sprintmail.com>
- 29) Mil stuff wanted
by "Joseph W. Pinner" <kc5ijd@sprintmail.com>
- 30) Help with Very Old Hammarlund
by arc5@ix.netcom.com
- 31) National Crystal filter update
by "Lawrence R. Ware" <lrware@pipeline.com>

Date: Fri, 6 Feb 1998 10:12:48 -0600
From: Laird Tom N <LairdTomN@JDCORP.deere.com>
To: "'BA'" <boatanchors@theporch.com>
Subject: Need Screen modulator
Message-ID: <0958DD57326BD011813300805FBE98DA02D72A57@e90corp2.dx.deere.com>

I'm looking for the screen modulator or schematic on it for a Johnson Adventurer.

The one they sold has a part number of 250-40. If I can't find one, I may try and build it from the schematic. Can't anyone help out?

Tom Laird WC9M
Deere & Company
LairdTomN@JDCorp.deere.com

Date: Fri, 6 Feb 1998 10:09:59 -0800 (PST)
From: Ken Gordon <keng@uidaho.edu>
To: boatanchors@sco.theporch.com
Subject: Spares Box BX-53-C...
Message-ID: <Pine.BSF.3.95.980206095843.10951A-1000000@piobaire.mines.uidaho.edu>

I have just gotten this from the EE dumpster. This is empty except for ONE allen wrench. It looks to me like the spares box for the AN/GRC-9, but I am not sure.

Anyone need this? Free to the first one who asks for it. I would think someone doing a restoration would want this.

BTW, I am finally starting to pack and ship the free stuff to the people who asked for it early last month.

If I miss anyone, let me know.

Ken

Date: Fri, 6 Feb 1998 13:11:24 -0500 (EST)
From: Meir Ben-Dror <mbendror@villagenet.com>
To: boatanchors@theporch.com
Subject: Boatanchor/surplus haunts in FL
Message-ID: <199802061811.NAA16359@villagenet.com>

Greetings to my fellow hollow-staters.

I'll be in the Miami/Ft. Lauderdale area for a week.

Are there any surplus or boatanchor sites within a 50MI or so radius from there?

I'd appreciate any info.

73's de Meir, WF2U

Date: Fri, 6 Feb 1998 11:00:27 -0800 (PST)
From: Ken Gordon <keng@uidaho.edu>
To: boatanchors@sco.theporch.com
Cc: glowbugs@www.atl.org
Subject: 304TL Socket...FOUND!
Message-ID: <Pine.BSF.3.95.980206104835.11471A-100000@piobaire.mines.uidaho.edu>

I visited our Chemistry Department today. After some rummaging around in dark holes, we found 7ea brand new 304TL/TH sockets, NIB, in the far back of a lost cupboard.

The nice man in the tech shop gave me one.

These are in their original greenish-blue Johnson boxes with the orange label, saying (among other things) Tube Socket, One, 124-213.

So, all of you kind people who are rummaging in dark corners/boxes for a 304TL/TH socket can now stop looking, unless you need one(s) for your own version of the PP Hartley SE oscillator tx. (Hint...)

Ken W7EKB

Date: Fri, 6 Feb 1998 16:26:02 -0700 (MST)
From: BOB RAGAIN <RAGAIN@hubvx6.sedalia.wireline.slb.com>
To: boatanchors@theporch.com
Cc: RAGAIN@hubvx6.sedalia.wireline.slb.com
Subject: What is Phantom Antenna A-62?
Message-ID: <980206162602.45e2c2da@hubvx6.sedalia.wireline.slb.com>

Hello everyone,

Does anyone know the purpose and freq range of Phantom Antenna A-62, to be used with SCR-508 and/or SCR 528? I can't find references to any of those numbers.

The device is a couple of wirewound power resistors with a tuned LC circuit across them, and a lightbulb power and tuning indicator. The resistors look like they could maybe handle 25 Watts for a short time. The package is in the shape of a can with a removable top, a little bigger than a 12 ounce drink.

Surely this is not just a dummy load. It'd be much easier to just use non-inductive resistors. But maybe it's cheaper to do it this way with cheap wirewound R's?

Any thoughts appreciated.

Thanks,

Bob

Bob Ragain WB4ETT Littleton, CO

Date: Fri, 6 Feb 98 18:16:55 PST
From: gpewitt@execpc.com
To: Don Montgomery <donrm@panther.sr.hp.com>, boatanchors@listserv.tempe.gov,
boatanchors@theporch.com
Subject: Re: info on EE8 telephone
Message-ID: <Chameleon.980206182718.gpewitt@execpc.com>

OK, the order phone number is 1-800-888-3006, it's the

Sportsman's Guide catalog. Catalog number 25228.
The item number is A8M-27087 and the price is
2 for \$149.97. These have a leather case, and a morse key. Page 101 of the
catalog. Range 11 to 17 miles.

On page 9 of the same catalog is item A8M-23681 similar phones in canvas cases. 2
for \$119.97. No morse key mentioned. Range up to 22 miles.
Hope this is of interest. 73 Gary

-----Original Message-----

In article <6bdvju\$nql@newsops.execpc.com> you wrote:

> They are for sale in the Gary Olson sporting goods catalog.

How much and what is the phone number for Gary Olson Sporting Goods?

Don K6LTS
donrm@sr.hp.com

-----End of Original Message-----

Name: Gary Pewitt N9ZSV/KT
6120 W. Calumet Rd. Apt 204
Milwaukee, WI 53223
414 355 8147 Home 414 297 4307 Work
E-mail: gpewitt@execpc.com
Date: 02/06/98
Time: 18:16:55

Date: Fri, 6 Feb 1998 19:03:19 -0600 (CST)
From: Kevin Pease <hamradio@mm1001.theporch.com>
To: Bill Riches <algorithms.com!richesb@mm1001.theporch.com>
Cc: theporch.com!boatanchors@mm1001.theporch.com
Subject: Re: Tube ID
Message-ID: <Pine.LNX.3.95.980206190156.8114A-1000000@mm1001.theporch.com>

On Fri, 6 Feb 1998, Bill Riches wrote:

>
> it is a triode - fil 6.3 @ 135 ma; plate 360 v @ 25 ma

>

I found that in my RCA transmitting tube manual. The question still remains. What is it good for ? would it make a good regenerator ?

Kevin Pease
WB0JZG
Mount Juliet, TN.

Date: Fri, 06 Feb 1998 21:23:20 -0800
From: Leslie Zwiebel <wb6orz@pacbell.net>
To: nick@cs.unc.edu
Cc: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Classic Exchange FUN
Message-ID: <34DBEFC8.C0@pacbell.net>

Nice report!
73, Les

Date: Fri, 06 Feb 1998 23:01:21 -0600
From: nielw@ix.netcom.com
To: boatanchors@theporch.com
Cc: nielw@ix.netcom.com
Subject: Hammarlund Ad Flyers For Trade
Message-ID: <34DBEAA1.C46@ix.netcom.com>

I have original Hammarlund Radio advertising flyers for trade for models HQ100, HQ110, HQ145, HQ160, HQ170, HQ180, SP600-JX and HX50. All except the HX50 are four pages. The HX50 flyer is two pages. All are in good condition but are punched for a 3-ring binder.

I'm looking for similar material on National Radio equipment.

tnx, Niel-WA5VLZ, Rochester, MN

Date: Fri, 6 Feb 1998 21:44:16 -0800 (PST)
From: Ken Gordon <keng@uidaho.edu>
To: boatanchors@sco.theporch.com
Cc: glowbugs@www.atl.org
Subject: Bobbi Barmore...
Message-ID: <Pine.BSF.3.95.980206214224.18094I-1000000@piobaire.mines.uidaho.edu>

I have lost your e-mail address. I have found ONE Bliley BC-2 crystal holder with 3550 crystal in it. This is the round, black one with two pins on the bottom and a top which unscrews. Seems to me you wanted one a while back. Please e-mail me.

Ken W7EKB

Date: Sat, 7 Feb 1998 02:43:00 CST
From: jackiv@juno.com (John M Iverson)
To: sinned@vnet.IBM.COM
Cc: boatanchors@theporch.com
Subject: Re: Sylvania 6CM5/EL36
Message-ID: <19980207.024302.10582.0.jackiv@juno.com>

This is a fairly common audio output tube. single ended compactron style. pair in p-p at 450 v with 6,600 ohm load will give about 45 watts class AB1 (sounds like the old 6L6 ?) jack
Jack Iverson K0EWU jackiv@juno.com

On Thu, 5 Feb 98 16:51:56 CST sinned@vnet.IBM.COM writes:
>I can't find any information about this tube. Looks like a 2E26. Does
>anyone have specs on it?
>
>Thanks,
>Dennis W5FRS
>sinned@vnet.ibm.com
>
>

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Or call Juno at (800) 654-JUNO [654-5866]

Date: Sat, 07 Feb 1998 07:57:39 -0500
From: john <johnmb@mindspring.com>
To: boatanchors@theporch.com
Subject: cw filter for HW/SB series?
Message-ID: <199802071258.HAA04536@camel14.mindspring.com>

I'm helping a friend get back on the air, and he's looking for

a CW filter for a SB102. I think that its the same unit as used in the HW100-101 series, as well as the SB100-102.

Anyone have one surplus to their needs?

Best 73

/John

```
+-----+
|Wanted:      Howard Co. receiver/acc'ys/docs   |
|              AWA-OTB back issues...          |
|              Harvey Wells R9 rx               |
|              ----- WB50AU/4   AMI #24 -----|
|              johnmb@mindspring..com          |
+-----+
```

Date: Sat, 07 Feb 1998 08:54:21 -0500
From: djhutch@concentric.net
To: boatanchors@theporch.com
Subject: Trade Johnson for Drake
Message-ID: <34DC678D.ED4263C1@concentric.net>

I have an unbuilt Johnson 6N2 transmitter kit in the original box. I would like to trade this unbuilt kit for a Drake RV-75 VFO or R-7/r-7A receiver.

73's

Dave K9HT

Date: Sat, 7 Feb 1998 07:41:21 -0600
From: "Gary Harmon" <gharmon@txdirect.net>
To: "ba" <boatanchors@theporch.com>
Cc: "Boat Anchors List" <BOATANCHORS@LISTSERV.TEMPE.GOV>
Subject: Need: Manual for Knight Star Roamer
Message-ID: <01bd33ce\$136c8300\$fd4a8ed1@txdirect.net.txdirect.net>

Does anyone have a manual for the Knight Star Roamer receiver? Would love a copy or one to copy and return.

Thanks in advance and 73,

gary

=====

Gary H. Harmon, Jr., K5JWK
6302 Robin Forest
San Antonio, TX 78239-3218
(210) 657-1549
gharmon@txdirect.net
=====

Date: Sat, 7 Feb 1998 08:52:35 -0600
From: "Gary Harmon" <gharmon@txdirect.net>
To: "ba" <boatanchors@theporch.com>
Cc: "Boat Anchors List" <BOATANCHORS@LISTSERV.TEMPE.GOV>,
"Denny Heikura" <heikud@directcon.net>, "Merv" <k9fd@htc.net>,
Subject: Literature for \$1 and Postage
Message-ID: <01bd33d8\$070a25e0\$fd4a8ed1@txdirect.net.txdirect.net>

The following literature/technical bulletins are available for \$1 each plus postage.

1. Akai Terecorder Deluxe reel to reel tape recorder.
2. TS-352 Multimeter measurement instructions.
3. Type 15D VHF Navigation Receiving Equipment instruction book.
4. Jerrold FD-30 Coaxial Comparator.
5. Seven Boonton technical sheets.
6. ESI C-23 Voltage Dividers technical sheet.
7. Triplet technical sheet of early push button testers, VOMs and tube testers.
8. Dumont (1951) catalog of CRT equipment.
9. Cohu Electronics 303 DC Voltage Standard.
10. Forty six General Radio technical sheets.
11. Jerrold 601/602 Sweep Generator manual copy.
12. Eighteen Ballantine technical sheets.
13. Fourteen Shasta Division of Beckman Instruments technical sheets.

14. Motorola T1020A Frequency and Deviation Meter manual.

73,
gary

=====
Gary H. Harmon, Jr., K5JWK
6302 Robin Forest
San Antonio, TX 78239-3218
(210) 657-1549
gharmon@txdirect.net
=====

Date: Sat, 07 Feb 1998 09:38:13 -0800
From: Michael Hanz <AAFRadio@erols.com>
To: Boatanchors@sco.theporch.com
Subject: GWY-1 aircraft transmitter
Message-ID: <34DC9C05.DAA@erols.com>

Picked up this little oddity a while back, but can't find any info on it. Mfg by Doolittle Radio Inc., Chicago - 8" x 8" front panel by 14" deep, 807 final. Has four 2.5" square meters in the center of the panel (one an RF ammeter) and a selector switch underneath marked 1st doubler, 2nd doubler, and final; toggle switches for A2 and A3 emission; fil and dyno power; a sidetone phone jack; volume, tank, and load adjustments; and an SO-239 coax output on the front. Has a couple of banana pin connectors like the RU/GF series on the back. Unremarkable otherwise except on the side of the chassis it has stamped in orange ink, Contract N288s-NOA.S.3259 and Navy Serial No. 1! Nomenclature plate has serial 67 on it - go figure.

Anyone ever hear of Doolittle Radio?

Thanks in advance,
Mike Hanz KC4TOS
Herndon, VA
AAFRadio@erols.com

Date: Sat, 7 Feb 1998 09:05:24 -0600 (CST)
From: deanbers@ix.netcom.com

To: boatanchors@theporch.com
Subject: Need Copy of 30K-2,3,4 or 5 Manual
Message-ID: <1998277514741@>

Hello Anchorites;

Just checking to see if someone might be able to
copy a manual for me. Appears my xmttr may be
similar to one of the mentioned.

Generous reward offered of course!
E-mail: Deanbers@ix.netcom.com

Thanks;
Dean, K06IJ

Date: Sat, 07 Feb 1998 11:54:21 EST
From: w8xq@juno.com (JEFF D WILDER)
To: boatanchors@theporch.com
Subject: Wanted: SX-73 Panel Meter
Message-ID: <19980207.115854.10135.3.W8XQ@juno.com>

Hi

I'm looking for the SX-73 front panel meter. I'll even take a defective
one. I need the numeric face plate.. Please reply if you can help

" Forever AM "
Jeff D Wilder (W8XQ)
Email : w8xq@juno.com
Phone: (616) 381-4133

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Or call Juno at (800) 654-JUNO [654-5866]

Date: Sat, 07 Feb 1998 11:54:21 EST
From: w8xq@juno.com (JEFF D WILDER)
To: boatanchors@theporch.com
Subject: R390A Product Detector ??
Message-ID: <19980207.115854.10135.2.W8XQ@juno.com>

Hi ! BA World...

I had recently implemented the (ER # 58) R390a Product Detector mod

but the circuit does not work. I do here a change in the audio but its performance is worse then the original BF0. Are there updates or circuit discrepancies I need to know? I even tried the Prod Det design for the Collins 75A series but still the same results..Oh yes, the 6BE6 tube is good... Please reply if you can help...Thanks

" Forever AM "

Jeff D Wilder (W8XQ)
Email : w8xq@juno.com
Phone: (616) 381-4133

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Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Sat, 07 Feb 1998 12:08:17 EST
From: w8xq@juno.com (JEFF D WILDER)
To: boatanchors@theporch.com
Subject: Re: R390A Product Detector ??
Message-ID: <19980207.121235.10175.0.W8XQ@juno.com>

Hi ! BA World...

I had recently implemented the (ER # 58) R390a Product Detector mod but the circuit does not work. I do here a change in the audio but its performance is worse then the original BF0. Are there updates or circuit discrepancies I need to know? I even tried the Prod Det design for the Collins 75A series but still the same results..Oh yes, the 6BE6 tube is good... Please reply if you can help...Thanks

> " Forever AM "
>Jeff D Wilder (W8XQ)
>Email : w8xq@juno.com
>Phone: (616) 381-4133

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Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Sat, 07 Feb 1998 18:12:58 +2400
From: Bill Jarvis <B.H.Jarvis@hw.ac.uk>
To: boatanchors <boatanchors@theporch.com>
Subject: Avo valve tester problem
Message-ID: <199802071812.SAA20142@punt1.hw.ac.uk>

I've acquired an Avo valve tester in vgc EXCEPT that when the moving coil indicator is off scale either end, the needle bangs itself vigorously and looks as though it's doing damage.

I think that MC meter is in a bridge circuit, for comparing actual mA/V with the mfr's figure, which you [the valve tester user] set up before applying HT.

The tester is in 2 boxes. The meter-and-supplies box contains a metal rectifier which has been disconnected and bypassed with a modern sand-state (wash my mouth out) HT rectifier diode.

I can't see ANY smoothing in the HT supply and I wonder whether that is intentional - make sure the needle vibrates violently and audibly so that the user hurries up and gets the thing near balance before any damage is done?

In the unlikely event of that being the intention, to add a fat C would be harmful.

Another possible clue is a spiky soldered joint to one end of the moving coil meter; obviously not how the professionals left it. So maybe there used to be a rectifier bridge for protection, which has been eaten by an earlier vandal?

I'd appreciate comments from anyone who KNOWS, also sensible guesses from fellow amateur detectives.

With thanks in anticimapatation,

Bill

GM8APX, qthr=No 6, EH4 6JY==Cave felem==No Rectangulars=Ikke Hawkering

Si vales, bene est

Net-Tamer V 1.10 - Registered

Date: Sat, 07 Feb 1998 14:51:40 -0500
From: john <johnmb@mindspring.com>
To: <baswaplist-owner@ns1.foothill.net>, boatanchors@theporch.com
Subject: Looking for Harvey wells R9
Message-ID: <199802071952.0AA13092@brickbat8.mindspring.com>

I've got the T90 transmitter, the Z matcher and the PS....
can anyone help complete the station?

Thanks!

/John

Date: Sat, 7 Feb 1998 12:24:04 -0800
From: "larry W6WUH" <rau@wco.com>
To: "boatanchors" <boatanchors@theporch.com>
Subject: Xmas 100 KC Xtals mailed
Message-ID: <199802072027.MAA06159@shell.wco.com>

Sorry for the long wait everybody...
no label printing expert on staff here...

Brian Harris
Bob Reynolds

please see that I get your snail address as it was not in my files

73 Larry

rau@wco.com

Date: Sat, 7 Feb 1998 17:06:35 -0500 (EST)
From: lee1@digital.net
To: BOATANCHORS@theporch.com
Cc: GLOWBUGS@WWW.ATL.ORG
Subject: FW: Warning.... don't open "Join the Crew"
Message-ID: <199802072206.RAA20581@ddi.digital.net>

>From: Steve Richardson <s.richardson@btinternet.com>
>To: "'Cad...USA'" <Cadling@webtv.net>,
> "'Cheryl...Australia'"
> <mobbsy@ozemail.com.au>,
> "'Cheryl...USA'" <cmm39@hotmail.com>,
> "'Debby...Taiwan'" <chungsen@ms6.hinet.net>,
> "'Fran....Italy'" <flmenon@tin.it>, "'Igor...Siberia'" <poli@nsu.ru>
>To: "'Joady...Canada'" <j.silver@sympatico.ca>,
> "'John...Orkney Islands'"
> <gm4ewz@mcmail.com>,
> "'John...USA'" <doctormad@earthlink.net>,
> "'Lee...USA'" <lee1@digital.net>,
> "'Lina...Spain'" <lvanrell@arrakis.es>,
> "'Linda...Oslo'" <lindaclj@online.no>
>To: "'Matt...USA'" <robocop@clark.net>, "'Mick Black'" <blackcm@boat.bt.com>,
> "'Mick Godwin'" <m.w.g@btinternet.com>,
> "'Norm...Oz'" <nlilley@onaustralia.com.au>,
> "'Simon'" <rennison@clara.net>, "'Stu'" <s.c.p.r@btinternet.com>
>To: "'Vel'" <veletta@clara.net>, "'Yvonne'" <cob@dial.pipex.com>
>Subject: FW: Warning.... don't open "Join the Crew"
>Date: Sat, 7 Feb 1998 09:53:18 -0000
>X-UIDL: 3914b3a063c070551c17b1e4834ded58

>
>
>

>-----Original Message-----

>From: Pat [SMTP:ironorchid@cableinet.co.uk]
>Sent: Friday, February 06, 1998 10:01 PM
>To: Mr Richardson; Lorraine; Kelley; Ernest Bramah; Elizabeth Stark;
Donnelly Anne NTSE; Chapfam
>Subject: Warning.... don't open "Join the Crew"

>

>I have received this information from a VERY reliable source.....take
>note!!!:-

>
>

>"If you receive an e-mail titled "JOIN THE CREW", DO NOT open it. It
>will

>erase everything on your hard drive. Forward this out to as many people
>as

>you can. This is a new, very malicious virus and not many people know
>about it. This information was announced yesterday morning from IBM:
>please share it with everyone that might access the Internet.
>
>Once again, pass this along to everyone in your address book so that
>this
>may be stopped. Also, do not open or even look at any mail that says
>"RETURNED OR UNABLE TO DELIVER". This virus will attach itself to your
>computer components and render them useless. Immediately delete any mail
>items that say this. AOL has said that this is a very dangerous virus
>and
>that there is NO remedy for it at this time . Please practice cautionary
>measures and forward this to all your online friends ASAP.
>
>This information relates to Internet mail only."
> <!DOCTYPE HTML PUBLIC "-//W3C//DTD W3 HTML//EN">
><HTML>
><HEAD>
>
><META content=text/html; charset=iso-8859-1 http-equiv=Content-Type>
><META content=' "MSHTML 4.71.1712.3" ' name=GENERATOR>
></HEAD>
><BODY bgColor=#ffffff>
><DIV>I have received this information from a VERY reliable
>source.....take
note!!!:-

"If you receive an e-mail
>titled
>"JOIN THE CREW"; DO NOT open it. It
will
erase everything on
>your hard drive. Forward this out to as many people
as
you can. This
>is a
>new, very malicious virus and not many people know
about it. This
>information
>was announced yesterday morning from IBM:
please share it with everyone
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>might access the Internet.

Once again, pass this along to everyone in
>your address book so that
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""RETURNED OR UNABLE TO DELIVER";
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>this is a very dangerous virus
and
that there is NO remedy for it at
>this
>time . Please practice cautionary
measures and forward this to all your
>online friends ASAP.

This information relates to Internet mail
>only." </DIV></BODY></HTML>
>

Date: Sat, 7 Feb 98 16:54:48 -0500
From: "Joseph W. Pinner" <kc5ijd@sprintmail.com>
To: "Boatanchor 1" <boatanchors@theporch.com>, "Mil List" <milcomm@qth.net>
Subject: FS: TM 11-284
Message-ID: <199802072254.0AA28598@mailgate22>

Original TM 11-284 covering GRC-3 through -8, including RT-66, -67, -68, R-108, -109, -110, RT-70, etc.

\$ 15 shipped.

73

Joseph W Pinner
Lafayette, LA
KC5IJD
EMail: kc5ijd@sprintmail.com

Date: Sat, 7 Feb 98 16:54:52 -0500
From: "Joseph W. Pinner" <kc5ijd@sprintmail.com>
To: "Boatanchor 1" <boatanchors@theporch.com>, "Mil List" <milcomm@qth.net>
Subject: FS: TM 11-310 copy
Message-ID: <199802072254.0AA28601@mailgate22>

Partial copy of:

TM 11-310, Schematic Diagrams for Maintenance of Ground Radio Communications Sets.

Schematics and service data.

Includes, among others: bC-148, -151, -186, -187, -188, -189, -191, -222, -312, -342, -314, -344, -474, -603, -610, -620, -652, -728, -1000, -1306

\$ 15 shipped.

73

Joseph W Pinner
Lafayette, LA
KC5IJD
EMail: kc5ijd@sprintmail.com

Date: Sat, 7 Feb 98 16:54:50 -0500
From: "Joseph W. Pinner" <kc5ijd@sprintmail.com>
To: "Boatanchor 1" <boatanchors@theporch.com>, "Mil List" <milcomm@qth.net>
Subject: FS: TV-7D
Message-ID: <199802072254.0AA28600@mailgate22>

Have TV-7D in excellent condition. Inside like new. With all adapters and leads. 1962 edition of data book.

\$ 150 plus shipping.

73

Joseph W Pinner
Lafayette, LA
KC5IJD
EMail: kc5ijd@sprintmail.com

Date: Sat, 7 Feb 98 16:54:56 -0500
From: "Joseph W. Pinner" <kc5ijd@sprintmail.com>
To: "Boatanchor 1" <boatanchors@theporch.com>, "Mil List" <milcomm@qth.net>
Subject: FS: PP-112/GR
Message-ID: <199802072254.0AA28756@mailgate22>

PP-112/GR 24 VDC Power Supply for the RT-66, -67, -68.

Like New \$ 25 plus shipping.

73

Joseph W Pinner
Lafayette, LA
KC5IJD
EMail: kc5ijd@sprintmail.com

Date: Sat, 7 Feb 98 16:54:54 -0500
From: "Joseph W. Pinner" <kc5ijd@sprintmail.com>
To: "Boatanchor 1" <boatanchors@theporch.com>, "Mil List" <milcomm@qth.net>

Subject: Mil stuff wanted

Message-ID: <199802072254.0AA28751@mailgate22>

Original manuals:

BC-222, BC-654 (SCR-284), BC-721, PRC-75 (TM-06828A),
PRC-127, PRC-277 (Tadiran), PRC-40(AX) (Manual Amendment "AN/PRC-40,
Repair, Modification,& Redesign" - Dixon Industries), AN/ARR-15

Equipment:

ARR-15 - rack
BC-222 - Handset connector receptacle & calibrator xtal
BC-721 - BC-722 Contr box, MC-365 Contr shaft, FT-295 Mnt
TBX-2 - Radio with any accessories
TBY - Cal xtal & canvas case
AN/PRC-21 - AT-486 Ant
CPRC-26 - Canvas Case
AN/PRC-34 or 36 - Any parts / acc / radios
AN/PRC-66 - AS-2117 Whip ant
AN/PRC-68B - Want Bravo model only
AN/PRC-74 - CW-836 Acc bag
AN/PRC-75 - CY-6729 Case, ST-162 Harness, LS-549 Spkr
PRR-9/PRT-4 - Xtal kit
AB-1241/PRC-104A ant mnt (found in TM 11-5820-919-12).
Grnd mntd base for the AS-2259 when used with the PRC-104A.
OG-174/VRC - Amplifier/Power Supply for PRC-68A

73

Joseph W Pinner
Lafayette, LA
KC5IJD
EMail: kc5ijd@sprintmail.com

Date: Sat, 7 Feb 1998 17:39:05 -0600 (CST)
From: arc5@ix.netcom.com
To: boatanchors@sco.theporch.com
Subject: Help with Very Old Hammarlund
Message-ID: <199827173839711478@>

I need some help from you Hammarlund folks.

An older lady I know is selling a few things from her
late husband's estate. She has a very nice condition big-old
Hammarlund Comet Pro, the Crystal edition with the plug-in coils

marked in "meters." Nice black-wrinkle case and all knobs present. It's all there, including the complete set of white ceramic plug-in coils in their original box AND the manual with the schematic. No holes or mods. Power cord original and in good/servicable shape. Does need cleaning and the usual recapping and restoration work, but is in really nice condition.

I'm looking forward to restoring the unit to original working condition, playing with it for awhile and then making it available to the BA community. There's one problem.

I'm not a Hammarlund expert, so I don't know what to offer the lady! Can some of you tell me an honorable price to offer her? I know it's a valuable radio, but I don't have a clue. I don't want to cheat either her or me, and I *will* need to resell it later without taking a beating.

Also, can someone tell me when this beautiful old rig was produced? Looks 1934-35 or thereabouts.

TNX ES 73 DE Dave Stinson AB5S
arc5@ix.netcom.com

Date: Sat, 07 Feb 1998 19:07:13 +0000
From: "Lawrence R. Ware" <lrware@pipeline.com>
To: boatanchors@sco.theporch.com
Subject: National Crystal filter update
Message-ID: <3.0.5.32.19980207190713.00816890@pop.pipeline.com>

Recently I pondered the repair-ability (is that a word?) of the crystal filter assembly in my old NC-2-40D....

Having had time to work on it, I thought I'd share what I learned.

These things are not as hard to get out as I had feared at first. Once the control knobs are disconnected, no harder than any old IF transformer to remove... :-)
Because the wire leads were quite old anyway, they were cut out leaving enough of each behind to clearly ID where they connected into the rest of the radio. Removal of 5 nut & washer sets released the assy. from the chassis, and out it came.

Once on the bench, removal of the side panels for inspection of the guts was easy, about seven screws each... Inside we have two tank

circuits in round metal cans, one crystal in a little holder, one selectivity switch and one small differential variable cap. Some careful work with the soldering iron and shortly I had two tuned circuits in metal cans and one crystal in a little holder out on the bench...

A sig. gen. and a scope were used to check out the crystal, at about 454.770 the little thing came alive. a very good sign even if no attempt was made to match input or output impedances.. Assuming the crystal was in fact usable i turned my attention to the input and output tuning tank circuits.

Careful disassembly of both revealed my problem: An old solder joint with a clearly visible crack from one side to the other. Interestingly, the joint did not appear "cold" or poorly done, just seemed to have surrendered to age.... Even the low voltage DVM showed about 10K ohm across it, varying all over the place with slight pressure...

A touch up of it and all other internal joints followed by a quick bench test with a sweep gen. and o'scope told me both tank circuits were in the ballpark.

About a hour of reassembly later, which included replacing all external wires with properly color coded replacements from the scrap wire box, and back in the little thing went....

Somewhat later, the initial results are in.... crystal filter now works, rest of radio still has problems.... :-(
Well it's back to the old schematic and scope for me... but at least one major problem is resolved.... :-)

-Larry

Larry Ware
Admirer, Collector, Restorer of National Radio Company
receivers and other artifacts.
Orlando, Florida
lrware@pipeline.com

End of BOATANCHORS Digest 1912
